

From owner-qrp-l@netcom.com Tue May 9 15:32:17 1995
Date: Tue, 9 May 1995 08:32:17 -0700
Message-Id: <199505091532.IAA23968@scn.org>
From: nwqrp@scn.org (SCN User)
Subject: 30 meters dead?

> Great news. 30 meters has been rather dead lately. Its about
> time we gave it a shot in the arm.

30 meters dead? Last night for the NW QRP net (0200 z) 7:00 pm Mon. local
time, we had 6 check-ins from six states: OR/NY/CO/CA/IA/WA. NOT BAD!

Here's hoping for better next week! All qrpers welcome!!

--Brian, KV9X
Seattle, WA

--
Mail routed by Brian High, KV9X from the Northwest QRP Club BBS.
Please support local amateur radio clubs and public access
internet services like the Seattle Community Network. Thanks!!

From owner-qrp-l@netcom.com Tue May 9 20:56:40 1995
Date: Tue, 9 May 1995 15:56:40 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505092056.PAA26689@chuck.dallas.sgi.com>
Subject: Re: 30 meters dead?

Brian, KV9X,

There you go, teasing us.

NW QRP net (0200Z Tuesday), which translates to Mon local in the
USofA. 30M. What frequency? A bunch of here on qrp-l will
surely try to make it. Just give us all the gory details.

Who is net control? Inquiring minds wanna know.

dit dit

--
Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Tue May 9 01:49:45 1995
Date: Mon, 8 May 1995 15:49:45 -1000 (HST)

From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: 30M
Message-Id: <Pine.SUN.3.91.950508153806.25467B-100000@kahuna>

Hi Gang,
Been gone for many months but glad to be back.

Now, by fate we each have an 80M xtal in our color TV set. NE QRP took good advantage of that. But what you probably don't realize is that if you have an older CB xcvr that uses a freq mixing scheme to generate all 40 channels, you have a 30M xtal: 10.140 Mc.

It would be great if we could generate some activity on 10.14; we're all capable of building xtal xmtrs, and a few watts will go far on 30.

I suggest the xtal xmtr that appears in QRP NOTEBOOK. Or design one yourself!

Maybe some clubs can take advantage of this idea, if they can find a cheap source (these xtals were produced on a mass scale somewhere).

73 from Hawaii,
Jeff NH6IL

From owner-qrp-l@netcom.com Tue May 9 03:35:06 1995
Date: Mon, 8 May 1995 22:35:06 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505090335.WAA18515@chuck.dallas.sgi.com>
Subject: 30M

Gang,

We can still start June 1 with propagation tests on our own.

Two main qrp calling freqs are 10.106 and 10.116 and anything in between is open territory. QRP power only counts in the propagation test.

Was listening to W1AW CW bulletins (might become another thing of the past) and the propagation does not look good as no sunspots spotted (no pun intended) the last few days. But things could get good. Stranger things have happened.

I got out the SWL-30 and working on peaking it and getting ready for the new case should it get here by Thursday. I'll announce if I can get on 30M this weekend. You've all probably heard about our wx. Thunderstorms all last night and fine electrical displays. I had long wire shorted to ground. Not going to let the 40a get it again. :-)

I'll post the QRP ARCI contests coming up later this month. Dust of all kinds should be cleaned from the rig.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Tue May 9 13:27:53 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Tue, 9 May 1995 9:27:53 -0400 (EDT)
Message-Id: <950509092753.2022e5f7@carib.vf.mmc.com>
Subject: RE: 30M

Jeff, great to see you back here on the list. Hope everything is going well with your studies.

You wrote, in part:

> Now, by fate we each have an 80M xtal in our color TV set. NE QRP
> took good advantage of that. But what you probably don't realize
> is that if you have an older CB xcvr that uses a freq mixing scheme
> to generate all 40 channels, you have a 30M xtal: 10.140 Mc.

> It would be great if we could generate some activity on 10.14;
> we're all capable of building xtal xmtrs, and a few watts will
> go far on 30.

I beg to differ, kind sir. Perhaps operation is light out there in paradise, but back here in the contiguous states, the packeteers are very evident around 10.140. Just as we don't like it when they encroach on our QRP frequencies with their automated crickets, we shouldn't crowd their space with our activity.

Of course those same 10.140 MHz crystals are awfully easy to pull in frequency, so if we rubberize those rocks below 10.130 or so, we can still use them and not interfere with our 1/0 neighbors. Perhaps this weekend I'll see how far I can pull one of those crystals and get back to you on it.

72/73,

Joe E. N2CX

From owner-qrp-l@netcom.com Tue May 9 15:23:32 1995
Date: Tue, 9 May 1995 10:23:32 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505091523.KAA19405@chuck.dallas.sgi.com>
Subject: 40M 0300Z May 9-11

Gang,

In June, I'm giving a talk in Dallas/FtWorth at HamCom. I'm interesting in getting on the air on 40M, even with all the QRN, and recording some QRP signals for playback. So, if you don't mind being recorded for a crowd, look for me on around 7.040MHz the next three nights.

We are not scheduled for any thunderboomers in NTX section today or tomorrow, so maybe we can get lucky.

I have to do it late, since I have the earlier time scheduled for high speed copy work for Peoria IL.

I'll be on the NC40a and doing 18-22wpm or whatever speed you feel comfortable at. We can all hope the band is open. I'll be experimenting with how to record on the air signals and both sides of the QS0. In fact, if you have recording capabilities, it would be an interesting experiment to have both sides of the QS0.

We'll try 30M next week at an earlier time when the band is open.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Tue May 9 13:17:57 1995
From: Duncan Cadd <dcadd@luc.ac.be>
Message-Id: <9505091317.AA25097@alpha>

Subject: CCW / DSP

Date: Tue, 9 May 1995 15:17:57 +0200 (MET DST)

Greetings, from a cool and overcast Diepenbeek in N.E. Belgium!

If you're into DSP, I can recommend a book entitled "Digital Signal Processing A Practical Approach" by Emmanuel C. Ifeachor and Barrie W. Jervis, Addison-Wesley publishers, ISBN 0-201-54413-X. There is a C-language PC disk to go with this book, also includes compiled programs, cost \$50, 3.5 inch format, from:

Digital Signal Processing: A Practical Approach,
PEP Research & Consultancy Limited,
Charles Cross Centre,
Constantine Street,
Plymouth,
Devon, PL4 8DE
UK

payments should be in favour of 'PEP Research & Consultancy Ltd.' and can be made by direct bank transfer in US funds to account no. 35454528, bank sort code 40-36-22, send proof of direct transfer to above address, the bank address is:

Midland Bank plc,
City Centre Branch,
4 Old Town Street,
Plymouth,
Devon, PL1 1DD
UK

This book is intended for DSP graduates, but is the simplest I have yet found. A lot of the maths is above me, but aside from the odd chapter (like the Z transform!) which don't mean an awful lot, it's interesting stuff, and unlike so many texts, these people actually talk about hardware and have developed two target boards for DSP, both based on Texas Instruments chips, the TMS320C10 and TMS320C25. I haven't got the disk yet, don't know if I will as I'm not into C, but the book was around 1300 Belgian franks which I think is about \$50. By my reckoning, a good buy. Lots of worked examples, too.

The TMS320C10 system is 8 bit and uses an Analog Devices AD7569 ADC/DAC chip, and a user-selectable 7.5kHz or 15kHz sampling time. The up-market version uses the TMS320C25 and is 12 bit, with a 100kHz upper sampling limit. Sorry,

no idea of how expensive these things are, and I don't believe they are available as kits, but interesting anyway, and no doubt board patterns are available, since this was a University (Plymouth and Sheffield Hallam) project. If you have an expansion slot free in the PC, there is also a TMS320C25 software development system plug-in board plus analogue interface board.

Hope this is useful to the DSP gang!
73,

Duncan G0UTY / ON9CHU G-QRP 8117

Daaaaaaaah. DaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaAAAAAAAAAAAAAAAAaaaaaaahHHHHHHhhhhh.
"How DO you tune this thing anyway ?"

From owner-qrp-1@netcom.com Tue May 9 04:27:50 1995
From: rohrwerk@netcom.com (John Seboldt)
Message-Id: <199505090427.VAA10558@netcom15.netcom.com>
Subject: Re: Cheap Filter
Date: Mon, 8 May 1995 21:27:50 -0700 (PDT)

> Amateur Radio Supply is selling a 455 KHz IF filter for SSB
>
> used in the TS950 xcvr...the folter sold for About \$150 and
>
> is now \$6.95 each....that's right @6.95...they were \$9.95
>

Address, please (eyes popping out) !!!!

: John Seboldt rohrwerk@netcom.com / I am Bach of Borg...
: Amateur radio K0JD... / your style will be
: Churc4 of the Annunciation, / assimilated.
: Minneapolis /

From owner-qrp-1@netcom.com Tue May 9 20:14:28 1995
Date: Tue, 9 May 1995 13:14:28 -0700
From: dgf@netcom.com (David Feldman)
Message-Id: <199505092014.NAA29727@netcom15.netcom.com>
Subject: Cheap SSB filters from AES

Just following up on a prior posting - Amateur Electronic Supply at 800 558 0411 is closing out 2.4 kHz wide 455 kHz filters part number YG455S1 for _\$6.95_ each. They seem to have a number of them; I ordered several. I suspect one will find it's way into an Epiphyte someday or another.

Good luck and happy filtering!

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@netcom.com Wed May 10 02:52:47 1995
Date: Tue, 9 May 1995 19:52:47 -0700
From: dgf@netcom.com (David Feldman)
Message-Id: <199505100252.TAA23470@netcom14.netcom.com>
Subject: Re: Cheap SSB filters from AES

wbarnes@earth.geology.ubc.ca writes:

>
>David --
>
>>Just following up on a prior posting - Amateur Electronic Supply
>>at 800 558 0411 is closing out 2.4 kHz wide 455 kHz filters part
>>number YG455S1 for _\$6.95_ each.
>
>Do you have an ordinary telephone number for Amateur Electronic
>Supply for those of us who cannot use the 1-800 number? I would like
>to order at least two myself and probably should order more for
>upcoming fleas.

Wow, I feel like a cultural _idiot_! I didn't consider that 800's don't work in VE-land. Much sorry!!!!!! I've run into that before and just didn't think of it!

Anyway, AES for non-US is + 414 358 0333; their headquarters is in Milwaukee, Wisconsin. Their fax is + 414 358 3777.

Sorry!

73 Dave WB0GAZ dgf@netcom.com

(p.s., I have no connection with AES other than as an occasional customer when something really useful comes along).

From owner-qrp-1@netcom.com Tue May 9 15:18:58 1995

Date: Tue, 09 May 95 10:18:58 EST
From: harry_chase@smtpgw.windata.com (harry chase)
Message-Id: <9504098000.AA800039938@smtpgw.windata.com>
Subject: Colorburst XTAL

You can get colorburst crystals from Digi-Key corp.

Their # is 1-800-344-4539

Part #'s for the crystals are:

X049-ND	for HC-49-U pkg, parallel res., 17 pF unit
X011-ND	for series resonant unit, same pkg.

I think you can also request a catalog at this fone #.

These XTALS are only about a dollar and a half, but they charge a \$5 handling fee on small orders below \$25;, so you might want to stock up on other parts at the same time.

(USUAL DISCLAIMER: no, I don't have any financial interest in Digi-Key ;) but they do have a *large* variety of parts for us home-brewers...

Harry
WA1VVH

From owner-qrp-l@netcom.com Tue May 9 22:34:31 1995
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Date: Tue, 9 May 1995 16:34:31 CST
Subject: crystals
Message-Id: <304571B1E@iunhaw1.iun.indiana.edu>

Well, the big brother computer here was down so did not see anything for the past 24 hours. But now that it is back up, I do have a question regarding crystals.

I have stated that I was going to build the NN1G transceiver, Mark III, from the 1995 Handbook. I was going to do it for 20 meters but then got the OHR for 20 from Radio Devices. So thought about shifting to 30. I have the NE40-40 for 40. The problem is the crystals.

For 20 and 80 meters, he uses 10.000 MHz crystals, four of which have to be matched. I do not know about now but do know that Ocean State had these for \$1.25 @. For the rig, one needs 6 crystals, four of which, as I stated, have to be matched. So, as we all know, buy several. Here's the problem: if I go to 30 meters, the crystals

become 4.032 MHz or 4.096 Mz. The only source I have seen for these is Newark for the 4.096 crystals and they are about \$5 apiece. For 40 meters, the crystals go to 12.300 MHz and I have not found those, although they might be in Newark.

Any ideas out there on crystal sources, especially for a project like this?? I really hate to invest that kind of money (\$5 apiece) since I am not into building big time and probably would be forced to toss the extras.

Thanks.

72 & 73 de Tim WB9NLZ

From owner-qrp-l@netcom.com Wed May 10 00:12:08 1995
Date: Tue, 9 May 1995 17:12:08 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
Subject: Re: crystals
Message-Id: <Pine.3.89.9505091631.A2215-01000000@netcom>

Tim:

I have the 40-30 by NN1G and the xtals in my rig are at 8.000 mHz. The VFO works at approx 2.100-2.125 and when added to the 8mHz crystals by the mixer stage, I end up with a signal at 10.1-10.125. So far, so good!

Now, to make any receiver, you can pick any combination of IF and Oscillator frequencies as long as they ADD or SUBTRACT to equal the input frequency of the rig. i.e. My Norcal 40 has xtals in the 4.8 mHz range and a VFO in the 2.2 mHz range and it works just fine. My old 'Barbados Bare Bones Rcvr' (from a 1983 QST) uses a local oscillator frequency of 17.600 mHz to mix with the crystal IF filter at 3.579 mHz (also homebrew from colorburst crystals) and works just fine on 20M.

There is a bit of latitude here. Watch out for frequencies which cause birdies, or frequencies which when mixed, might cause problems for operating (TV colorburst xtals at 3.579 mHz, for example, cannot be used in an 80M receiver----because your VFO is going to QRM your receiver input severely!!). One more thing: be careful of frequencies which may make real problems in designing a VFO (example, my 30-40 uses a torroid core T-50-2 for the VFO coil type 2 torroid mix is not as stable as type 6, for example, so at 2.100 mHz, it might be better than if I were going to wind a coil on that same core to operate at 7 mHz).

All of this changing of xtal frequencies, however, might mean that you have to be very careful with capacitors and terminating resistors included in the IF filter network---- i. e. capacitors that work with 8.000 xtals to force a specific bandwidth and impedance, might not work as well at another frequency. You've got to tread carefully, and you might find that it is an easier task and you are better served by a circuit which someone else has already done the trouble shooting on!

But don't ever give up -- keep experimenting! 72/73 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@netcom.com Wed May 10 02:59:33 1995
Date: Tue, 9 May 1995 19:59:33 -0700 (PDT)
From: Steven Wilson <randyw@crl.com>
Subject: Re: crystals
Message-Id: <Pine.SUN.3.91.950509195907.25752A-100000@crl9.crl.com>

Digi_key and Mouser both have these type crystals for about \$1.20 ea

From owner-qrp-1@netcom.com Tue May 9 06:59:46 1995
Date: Mon, 8 May 95 23:59:46 PDT
From: "MY NAME IS IVAN & I AM MASSIVE (WEIGHT)" <IMCCAFFREYX@FAB10.intel.com>
Message-Id: <9505090659.utk2276@FAB10.intel.com>
Subject: DATE OF SWAP MEET

Hi all,

I will be in San Fran from the 19th to the 29th May and I'm wondering if any of the swap meets fall during these dates. Also I will be in the market for a good 2nd hand 2meter handheld +charger if anybody is willing to part with their's ,at the right price of course...

Rgds.

Ivan EI4HP.

From owner-qrp-l@netcom.com Wed May 10 03:18:58 1995
From: Bensondj@aol.com
Date: Tue, 9 May 1995 23:18:58 -0400
Message-Id: <950509231810_113199300@aol.com>
Subject: FAR / NN1G circuit boards

Gang-

AFTER I replied to Chuck Adams' posting re the NN1G rigs (naturally) , I caught up with FAR by phone and asked about his support for the various "NN1G" boards.

(I sit corrected:) HE'S GOT 'EM.

If ordering from FAR, it would be helpful to tell him which version you're interested in. Here's how he tells them apart:

---"12/93" NN1G board set- gets you the Mark II- the boards Dan's Small Parts was selling in his kit. (Jan '94 QRP Quarterly)

---"12/94" NN1G board set- get you the two boards from the '95 ARRL handbook article.

--- "11/94 QST" gets you the XX-40 single-board design.

(The first-generation (Mark I) boards are no longer available.)

I hope this helps- keep the soldering irons hot! 73- Dave, NN1G

From owner-qrp-l@netcom.com Tue May 9 15:33:11 1995
Date: Tue, 09 May 95 10:33:11 EST
From: harry_chase@smtpgw.windata.com (harry chase)
Message-Id: <9504098000.AA800040791@smtpgw.windata.com>
Subject: hamfest

Does anyone know if someone will be selling any of the qrp kits at the upcoming Rochester, NH hamfest/flea mkt. this weekend ??? Or, will any of the clubs be present there?

Harry
WA1VVH

From owner-qrp-l@netcom.com Tue May 9 15:24:39 1995
From: Steven Applen ~ MD4 MICROPROCESSOR DESIGN <sapplen@pcocd2.intel.com>
Message-Id: <9505091524.AA17351@frx749>
Subject: Hello to the qrp group
Date: Tue, 9 May 1995 08:24:39 -0700 (PDT)

Hello to everyone on the qrp list,
This is a great list with a LOT of activity.
I've already been welcomed by Mike Pulley and
Joe Gervais. And to all, let me say again the call here is
KC6AFK, I'm glad found this place.

Mike has suggested the NorCal40-40 as a good
first-timer rig to build. (My requirements are: CW,
Novice Band, will reach Los Angeles so I can talk to
my Dad in the evenings, and not too expensive as I'll
have to build two of every thing, one for me and one
for my Dad---<doesn't just warm your heart>).

Back to my technical questions.....
Where can I get the schematics for the NorCal40-40?
Can I get the schematics online?
If I can't get the schematics online can I get a parts list?
Can I build the NorCal40-40 with the "dead bug" construction?
What kind of antenna would work best?
How long will it take me to build the 40-40?
What kind of test equipment will I need to aling it?

Thanks in advance,
steven
kc6afk
--

Steven Applen
Intel FM3-161
1900 Prairie City Rd.
Folsom, CA 95630
sapplen@eng.fm.intel.com
(916) 356-6243

From owner-qrp-l@netcom.com Tue May 9 20:29:34 1995
From: RAINS@NKU.EDU
Date: Tue, 09 May 1995 16:29:34 -0400 (EDT)
Subject: Help w/ VOX switch

Message-Id: <01HQB0M5QW5UBWAPCG@NKU.EDU>

From owner-qrp-1@netcom.com Tue May 9 20:32:08 1995
From: RAINS@NKU.EDU
Date: Tue, 09 May 1995 16:32:08 -0400 (EDT)
Subject: Help w/ VOX switch
Message-Id: <01HQB0MQ5YDKBWAPCG@NKU.EDU>

Hello all, I was just wondering if there are any easy to build vox switch plans out? I want to try to build one and experiment with it. (This is a repost of a message I sent out a little while ago because our internet connection was down for about a week, and I believe all mail was lost.)

Justin AA9KM
rains@nku.edu

From owner-qrp-1@netcom.com Tue May 9 12:05:04 1995
Date: Tue, 9 May 95 8:05:04 EDT
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>
Subject: IF Filter
Message-Id: <9505090805.aa04090@FSAC3.PICA.ARMY.MIL>

the cheap (\$6.95) offering of the

Kenwood IF filter (YG-455S-1)

is from Amateur Electronic Supply 1-800-558-0411

the filter has a 2.4KHz bandwidth at -6 db

have fun

wa2unn

From owner-qrp-1@netcom.com Tue May 9 02:43:53 1995
Date: Mon, 8 May 95 21:43:53 CDT
From: gcouger@jsun.agen.okstate.edu (Gordon Couger)
Message-Id: <9505090243.AA04275@jsun.agen.okstate.edu>
Subject: Re: IQ130

Chuck,
Call it a 30 meter propogation research project and publish the results.
Some one should be able to come up with a program that queries the
call sign server gets the location calculates the direction and distance and
that along with the time of day and signal strength both ways plugged into
a stat proqram and plotted in 3d ought to wow some body.

Don't limit it to home brew xcivers at least let us use a commercial
reciver and get more people involved.

It's my observation that QRP is growing its a big step in streching ones
interest and techinical knowledge. Let every body play just give the HB
rig a bigger propogation factor.

There is more than one way to skin a cat.

Gordon AB5DG

From owner-qrp-1@netcom.com Tue May 9 03:29:49 1995
Date: Mon, 8 May 1995 21:29:49 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: IQ130
Message-Id: <Pine.SUN.3.91.950508212023.10061C-100000@ume>

Sorry to hear about the cancellation of what was promising to be an
interesting communications excercise.
I hope nobody will object to an unofficial posting of "most states
worked" by the "unvocal majority".....I for one intend to make a serious
WAS attempt over the summer with my sierra. I invite those similiarly
inclined to post the "unofficial" results. Who knows, there might yet be
an "unofficial" surprise from the frozen north at the end of August! ;-)

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From owner-qrp-1@netcom.com Tue May 9 11:31:16 1995
Date: Tue, 9 May 95 7:31:16 EDT
Message-Id: <heH8+jEpFjA@PAMDT.ANG.AF.MIL>
From: <CBAILEY@PAMDT.ANG.AF.MIL> (MSgt Cameron C.R. Bailey)
Subject: re: IQ130

Chuck,

Don't consider your genuine attempt to get folks away from the soldering irons wasted bandwidth and time. I for one will be making an attempt to join you and others in getting on 30m. But first, I must make the 30m module for my Sierra. That means getting the iron back out!

I have been listening to 40m mobile the past two days. Any hints to learning to copy CW in your head? Does anyone use a straight key?

Thanks for the kick. ;-)

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From owner-qrp-1@netcom.com Tue May 9 12:52:10 1995
Date: Tue, 09 May 1995 07:52:10 -0500 (EST)
From: "David Moody, KD8NY" <MOODY@admin.rose-hulman.edu>
Subject: Re: IQ130
Message-Id: <01HQAIK0DT6YHTRWYV@ADMIN.Rose-Hulman.EDU>

> I didn't expect so many complaints and I didn't expect so many people
> to call it a contest.

> The exercise is hereby cancelled. EOT.

Gee, I thought that the idea was a good one. If there was a problem, maybe it was putting a prize on it. That seems to get people all worked up. They want to make sure that no one has an unfair advantage over anyone else

(read "them"). Personally, I never operate contests with the idea of trying to win something. That would take all of the fun out, and make it seem like work. Yecch! Besides, I know that my operating skills aren't that great to even attempt to win a contest. And then there is that old cliché, "it's only a hobby."

Yeah, I agree with Chuck. LIGHTEN UP PEOPLE!

And in defense of those (read "me too") who enjoyed making light of the contest, errr, event, uhhh, QSO party, yeah that's it, and point out the irony of the whole thing. :^) Lighten up Chuck.

The idea is good, but with any idea, there will be those who won't like it, those who love it as is, and those who can't resist the chance to point out the irony in something. Like I said, it reminds me of the AnaCan road race, errr, rally from Annapolis, MD to Niagra. Shortest elapsed time wins. Yeah, some might say that this is pushing the contest issue on 30m, but as long as no one gets cutthroat over it, and made it obvious to anyone monitoring (the band or this list) that this might be a contest, then who really gives a (oops, sorry).

Whether the QSO party takes place or not, see all of you on 30m, and I hope that everyone will QSL with the same energy that they would have in order to win the contest, errr, uhhh, QSO party (couldn't resist :^)).

That's my two milliwatts or more. See you on 30m, whatever the situation.
[Flame suit ON!]
72, David Moody, KD8NY, C'mon Field Day.

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-----  
David A. Moody           | E-mail: David.Moody@Rose-Hulman.edu  
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu  
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD  
Terre Haute, IN  USA  47803 | (VMS Rules!!! (but RSTS was fun.))  
Wk Ph:  812.877.8183      |  
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Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From owner-qrp-l@netcom.com Tue May 9 14:58:26 1995
Date: Tue, 9 May 1995 08:58:26 -0600 (MDT)
From: Rick Zabrodski <zabrodski@med.ucalgary.ca>
Subject: Re: IQ130

Message-Id: <Pine.SUN.3.91.950509085544.12262A-100000@ume>

I generally have ignored 30 m (by contest bias, I suppose). This recent talk caused me to monitor 10106 on the weekend while working on some projects. Worked V31RD around 7 pm local time in a pileup.....did not have much time so I cranked up the power to 25 watts. There is potential here.

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From owner-qrp-l@netcom.com Tue May 9 18:44:50 1995
Date: Tue, 9 May 1995 11:44:50 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
Subject: Re: IQ130
Message-Id: <Pine.3.89.9505091114.A4705-0100000@netcom>

On Mon, 8 May 1995, chuck adams wrote:

>
> I didn't expect so many complaints and I didn't expect so many people
> to call it a contest.
>
> The exercise is hereby cancelled. EOT.
>
> Chuck Adams K5FO CP-60 adams@sgi.com
>

WHOA!

I'm sorry that people jumped on you for suggesting a very simple way to utilize the band. First, what you proposed is no more of a contest than pursuing DXCC or WAS is a contest. It is even less than a QSO party. It is nothing more than suggested band activity.

Second, even though much attention seems to be paid to 'the gentlemen's agreement' not to have contests on the WARC Bands, I believe the intent of the agreement was to prevent contests on the WARC bands during periods when there are contests ON ALL THE OTHER BANDS---i. e., if

160-80-40-20-15-10 are already clogged with contesters, 30-17-12 ought to be left as safe havens for non-contesters. I'm not sure the intent was there to keep any and all kinds of competitions off the WARC bands for evermore. BUT EVEN IF THAT WAS THE INTENT, someone still has to prove to me that Chuck's proposed IQ130 is a contest.

Third, despite the flack and flames, I believe 10 Mhz is the BEST QRP band because even the QRO stations are limited to 200W, and because there is no phone segment, and because of the difficulty in building a gain antenna for that frequency -- so many of the big guns you find elsewhere are more like short rifles here. Add to that the fact that it is non-voice which makes a rig for this band almost within financial reach of everyone.

And fourth, it is a chance for all of us to gain collective knowledge about propagation on a band that was relatively new to Hams during the last sunspot minima.

Please, Chuck, say it ain't so. Reconsider and let's do it!!

73/72 de Alan, W6RCL <<<<<<<kaul@netcom.com>>>>>>

From owner-qrp-l@netcom.com Tue May 9 19:02:59 1995
From: Steven Applen ~ MD4 MICROPROCESSOR DESIGN <sapplen@pcocd2.intel.com>
Message-Id: <9505091903.AA19318@frx749>
Subject: Is anybody out there??
Date: Tue, 9 May 1995 12:02:59 -0700 (PDT)

Is the mail server dead?
Has the qrp group run out of power?

I have received no new mail (qrp mail that is)
for the past 2 whole hours!!!!!!!!!!!!????!!!!!!

steven
kc6afk

--

Steven Applen
Intel FM3-161
1900 Prairie City Rd.
Folsom, CA 95630
sapplen@eng.fm.intel.com
(916) 356-6243

From owner-qrp-l@netcom.com Tue May 9 12:09:45 1995
Message-Id: <199505091209.IAA06238@jfwhome.funhouse.com>
Subject: Re: K5FO QRP-L 30 meter QSO Party
Date: Tue, 09 May 1995 08:09:45 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> > Contests are not allowed on WARC bands.

^^

> I can't find a single occurrence of the word "contest" in my copy of
> Part 97. Who says contests aren't allowed on the WARC bands?

It's one of those "gentleman's agreement" things, "enforced" by the fact that neither the ARRL nor CQ Magazine will publish contest results for those bands (I *think* CQ is in on it). I don't remember whether the impetus for the contest ban came from amateurs who wanted to see at least a few hundred KHz where they could hang out during contests and have interesting QSOs, or whether it came from representatives to WARC-79 whose governments *weren't* going to give their amateurs the WARC bands (that's right, these are still shared bands!) and didn't want their land-mobile users clobbered by wall-to-wall "CQ FIELD DAY"...

From owner-qrp-l@netcom.com Tue May 9 14:57:43 1995
Message-Id: <m0s8qjL-0001rBC@dxis.monroe.pa.us>
Subject: Re: K5FO QRP-L 30 meter QSO Party
Date: Tue, 9 May 1995 10:57:43 -0400 (EDT)
From: "Bob Schreibmaier" <k2ph@dxis.monroe.pa.us>

>

> > > Contests are not allowed on WARC bands.

> ^^^

> > I can't find a single occurrence of the word "contest" in my copy of
> > Part 97. Who says contests aren't allowed on the WARC bands?

>

> It's one of those "gentleman's agreement" things, "enforced" by the
> fact that neither the ARRL nor CQ Magazine will publish contest results
> for those bands (I *think* CQ is in on it). I don't remember whether
> the impetus for the contest ban came from amateurs who wanted to see
> at least a few hundred KHz where they could hang out during contests
> and have interesting QSOs, or whether it came from representatives to
> WARC-79 whose governments *weren't* going to give their amateurs the
> WARC bands (that's right, these are still shared bands!) and didn't
> want their land-mobile users clobbered by wall-to-wall "CQ FIELD DAY"...

That's all I was getting at. It's a gentlemen's agreement, not that contests aren't allowed on the WARC bands. 8^{\})

BTW, at least one year, contacts on the WARC bands WERE allowed on ARRL Field Day! However, that's been changed. Then again, Field Day is not a contest (he said sarcastically). 8^}

72.5,
Bob K2PH

```

--
+----- \-\-\- -----+
| Bob Schreibmaier K2PH | INTERNET: k2ph@dxis.monroe.pa.us |
| (a.k.a. "The QRPer") | ICBM:      40o55'N 75o30'W |
| Kresgeville, PA      |           This space for rent. |
+-----+

```

From owner-qrp-l@netcom.com Tue May 9 13:11:47 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Tue, 9 May 1995 9:11:47 -0400 (EDT)
Message-Id: <950509091147.2022e5f7@carib.vf.mmc.com>
Subject: Lamented demise of the I030

Chuck,

I'm very disappointed that the negative comments caused you to cancel the IQ30 EXERCISE. I'm tempted to say the negative comments are because of a lack of IQ, but I won't (watch out Martha here come the flamethrowers!)

This same negativism seems to be creeping into life these days. Instead of DOING things, people bitch about those who try to accomplish something. If whatever is proposed doesn't fit their desires exactly, they whine about it. That's probably a little harsh, but I see it everywhere including civic affairs. Let's cooperate a little, people, Nothing is perfect for everybody. Sometimes you gotta stretch yourself a little bit and not nit pick things to death.

End of soapbox.

About the operating exercise.....

I think we can make an analogy here to some rf communication techniques that are becoming commonplace. A CONTEST is like an ordinary modulated signal. As it concentrates all its energy in a narrow bandwidth and hogs the spectrum in

that place, a CONTEST concentrates its activity in one short time period and hogs the operating spectrum for that period.

The proposed EXERCISE is more like a spread-spectrum signal. The spread-spectrum signal pseudorandomly spreads its energy over a much larger bandwidth. By doing this, it hides its presence to some degree and allows many users to occupy a piece of the spectrum simultaneously with minimal interference. The EXERCISE does a similar thing by spreading out operation over a long time period so that the piece of operating spectrum is shared by many and is not as blatantly obvious as an ordinary CONTEST.

Regardless, I will be on 30 this summer and will report results to the list.

See you on 30!

72/73,

Joe E.

From owner-qrp-1@netcom.com Tue May 9 13:50:53 1995
Date: Tue, 9 May 1995 08:50:53 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505091350.IAA19164@chuck.dallas.sgi.com>
Subject: Re: Lamented demise of the IQ30

Joe,

I'll be there to and I'll report my luck on 30M to the group at the end.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Tue May 9 19:05:23 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Tue, 9 May 1995 15:05:23 -0400 (EDT)
Message-Id: <950509150523.2022e5f7@carib.vf.mmc.com>
Subject: Re: Lamented demise of the IQ30

Chuck,

Rereading what I wrote to you this morning, I see that it could have been written more clearly - guess it's better to not write while you're fuming. My comments were about those who sniped at your operating guidelines, not at you. I hope that you understood same.

72/73,

Joe E., N2CX

From owner-qrp-1@netcom.com Wed May 10 01:36:37 1995
Date: Tue, 9 May 95 21:44 BST-1
From: oddjob@cix.compulink.co.uk (Stephen Walters)
Subject: made by MFJ.
Message-Id: <memo.185973@cix.compulink.co.uk>

> I would like to hear your comments on the QRP-CW transceivers made by
> MFJ.
> I may be looking for a small portable.
>
> 72,
>
> Jay
>
> WB6AAM@K6VE.#SOCA.CA
> jcoote@aol.com

Jay

Most of the Stores in the UK I have spoken to, including the ones that sell their h/w quote the analogy

MFJ=Made From JunkBUT....good value for money i.e you get what you pay for.

This is what I suggest to my friends who are going to buy a QRP rig

a Monoband MFJ SSB/CW rig will cost you upwards of 150-200

I bought (Aug95)a six band FT101Z Mk2 CW/SSB tranciever for 250ukp added a simple switch to turn the PA bottles off and you have adjustable power from say .5 watt to about 20watt (Using the single Valve driver)

I am going to buy ANOTHER FT101 (older MK2 not a Z) for 100ukp, with a narrow 250Hz filter, and spare set of PA Valves, for 100UKP !

These radios are MORE flexible, more hackable, more selective and more

robust, flexible (QRP~qro)

The only thing they are not, is portable, although you can do as I am intending, with is this...

Take an FT101

1. Remove valve PA and Driver, and convert the space saved into a battery compartment! 12 Motor cycle or Radio-Control type compact gel-lead acid or NICAD.

2. install a small 1-10watt PA

3. Do some weight training!

oddjob@cix.compulink.co.uk

From owner-qrp-1@netcom.com Tue May 9 21:28:08 1995
Date: Tue, 9 May 1995 16:28:08 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505092128.QAA26811@chuck.dallas.sgi.com>
Subject: NN1G update de NN1G

Gang,

Here is some addenda that I received from Dave, NN1G, and posted to set the record straight. It is unedited by me, K5F0.

The following from Dave Benson, NN1G. The >> are my (K5F0) original posts. I see that time has really flown, as I missed the original year as I said 1994, which was the second version. :-)

From owner-qrp-1@netcom.com Tue May 9 17:45:39 1995
Date: Tue, 9 May 1995 12:45:39 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505091745.MAA26075@chuck.dallas.sgi.com>
Subject: Novice, Tech+ Please

If you are a member of this group and have one of the above license classes, please send me email and your current code speed. We want to remedy the situation before October. We want you down on 7.040MHz area before the first snowfall.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Tue May 9 12:02:41 1995
Message-Id: <199505091202.IAA06209@jfwhome.funhouse.com>
Subject: Re: Optimised 40M Transceiver
Date: Tue, 09 May 1995 08:02:41 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> I'm interested in building the "Optimised transceiver for
> 7 MHz" that appears in the ARRL's QRP classic book and the 1993 ARRL
> handbook. Looking over the schematics and reading the writeup it
> appears to be an excellent rig to get started in QRP. Before building
> it I would like some feedback about the construction and operation of
> the rig from anybody that has built one or has heard anything about
> it. Did things work as planned and does it perform reasonably well?

I built one directly from the books, and it didn't work. I haven't had time to look it over and figure out why. I then bought the QRP Sprint from Oak Hills Research (or is it "Spirit"?) which is a W7EL rig with a PC board and component selection by someone who knows what they're doing :-), and it works fine.

> I also plan on using a printed circuit board instead of the dead bug
> method. Is there already a PCB out there for this project?

FAR Circuits should have one.

From owner-qrp-1@netcom.com Tue May 9 23:06:32 1995
From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)
Date: Tue, 09 May 1995 12:14:04
Message-Id: <800014568.AA01642@hamlink.mn.org>
Subject: OPTIMISED 40M TRANSCEIVER

Hello Rob and the Group. Rob you wrote:

CA> Hello all. I'm interested in building the "Optimised transceiver for 7 MHz
>that appears in the ARRL's QRP classic book and the 1993 ARRL handbook.
>Looking
>over the schematics and reading the writeup it appears to be an excellent ri
>to get started in QRP. Before building it I would like some feedback about
>the construction and operation of the rig from anybody that has built one or
>has heard anything about it. Did things work as planned and does it perform
>reasonably well? I also plan on using a printed circuit board instead of th
>dead bug method. Is there already a PCB out there for this project? (Why
>bother reinventing the wheel.) Any comments greatly appreciated.

The June 1989 issue of 73 has an article on page 20 that is exactly the help you are looking for. The article entitled, "QRP CW Transceiver" (W.Green must have had that month off) is "based on the classic design by W7EL with a few alterations" and has a circuit board pattern. Although the PCB hasn't been "optimized" for small size. It measures 5" x 5".

Hope this helps.

73 de Claton Cadmus, KA0GKC

```
-----  
| FIDOnet= Claton Cadmus 1:282./100 |  
| INTERnet= Claton.Cadmus@hamlink.mn.org |  
| PACKETnet= KA0GKC@WB0GDB.#STP.MN.USA.NA |  
-----
```

* SLMR 2.1a * HAMFEST verb 1) The art of sneaking stuff in the house.

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!
- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

From owner-qrp-1@netcom.com Mon May 8 23:57:30 1995
Date: Mon, 8 May 1995 13:57:30 -1000
Message-Id: <199505082357.NAA14876@mango.aloha.com>
From: beltrani@mango.aloha.com (Paul Beltrani)
Subject: QRP Accessory Box on Hold

Enough people have expressed interest in the Accessory Box

project, that I felt it appropriate to respond to the list.

For those who missed the thread, the box was to be a TransMatch with SWR /Pwr meter and some other commonly used accessories. e.g. keyer, audio amp. I have recently found that NorCal will be kitting a TransMatch with SWR/Pwr meter sometime this winter. It would be much easier to use their kit as a starting point for my project than to duplicate their efforts. Therefore, the overall project is on hold.

However, NorCal will be using a different type of tuning circuit than I had planned on using. Several people have asked for more detail on the "Z-Match". I will post a description of the circuit in another msg.

- Paul Beltrani

beltrani@aloha.com

ah6nu@nh6yw.hi.usa.oc Amateur Radio Packet

From owner-qrp-l@netcom.com Tue May 9 06:41:06 1995

Date: Mon, 8 May 1995 20:41:06 -1000

Message-Id: <199505090641.UAA18551@mango.aloha.com>

From: beltrani@mango.aloha.com (Paul Beltrani)

Subject: QRP Accessory Box on Hold

Enough people have expressed interest in the Accessory Box project, that I felt it appropriate to respond to the list.

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However, NorCal will be using a different type of tuning circuit than I had planned on using. Several people have asked for more detail on the "Z-Match". I will post a description of the circuit in another msg.

- Paul Beltrani

beltrani@aloha.com

ah6nu@nh6yw.hi.usa.oc Amateur Radio Packet

From owner-qrp-l@netcom.com Tue May 9 21:59:05 1995
From: Erik Werner <werner@cadman.cit.buffalo.edu>
Message-Id: <199505092159.RAA19747@cadman.cit.buffalo.edu>
Subject: Re: QRP Accessory Box on Hold
Date: Tue, 9 May 1995 17:59:05 -0400 (EDT)

[stuff deleted]

I'd be interested in this.. does norcal have a web site or a number that I can call to get say a listing of what they offer? Many people have sung praises about their kits. Since I'm getting started in all of this, I'd like to check out the accessories that they will offer.

Thanks.

Erik

From owner-qrp-l@netcom.com Tue May 9 17:42:29 1995
From: washpenn!swider@vax.cs.pitt.edu
Date: Tue, 9 May 1995 13:42:29 -0400
Message-Id: <199505091742.NAA26252@vax.cs.pitt.edu>
Subject: QRP FAQs

It seems that my hard disk died several days ago and I lost the FAQ files and member list. If someone would kindly mail me a copy, it would make my day. :-)

Rob
KB3BFM
washpenn!swider@vax.cs.pitt.edu

From owner-qrp-l@netcom.com Tue May 9 10:26:34 1995
From: DAN_GOODWIN@hp-andover-om3.om.hp.com
Date: Tue, 9 May 95 04:26:34 -0600
Message-Id: <H00010360147586b@MHS>
Subject: qrp-l Resource Page

Item Subject: Text_1
Hi

Could someone post the address of the qrp-l Resource Page.

Thanks
Dan Goodwin

From owner-qrp-l@netcom.com Tue May 9 14:56:34 1995
From: Byron8LCZ@aol.com
Date: Tue, 9 May 1995 10:56:34 -0400
Message-Id: <950509105632_112287506@aol.com>
Subject: Re: qrp-l Resource Page

the QRP-L Resource page is <http://ncc1701-d.cc.nd.edu/QRP-L/>
the Kanga home page is <http://ncc1701-d.cc.nd.edu/Kanga/>
from these home pages, you can jump off into dozens of other places.
enjoy

72, byron WA8LCZ

From owner-qrp-l@netcom.com Tue May 9 17:47:20 1995
Date: Tue, 9 May 1995 10:47:20 -0700
From: Roger.Pease@eng.sun.com (Roger Pease)
Message-Id: <9505091747.AA07221@immigrant.Eng.Sun.COM>
Subject: Re: qrp-l Resource Page

I just checked out the qrp-l web page
(<http://ncc1701-d.cc.nd.edu/QRP-L/>)

It looks like a great start!
I like the little "kink" in the wire
near the bottom of the page. :-)

_Roger

From owner-qrp-l@netcom.com Tue May 9 15:02:49 1995
Date: Tue, 9 May 1995 10:02:49 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505091502.KAA19308@chuck.dallas.sgi.com>
Subject: SWL Enclosure

Gang,

I just received an Enclosure Kit (I know it's a kit and an enclosure, but I've always violated that rule of English, 'cuz I think the vowel closest to the adjective gets the priority :-)) from Small Wonder (tm) Labs.

First: the enclosure is for the Small Wonder Labs SW-30 and SW-40 transceiver kits sold by Dave Benson, NN1G. It sells for \$30 and includes the following:

- o 2.2 x 4.2 x 4.2 inch enclosure (get out the ruler and figure the size of this one gang). For you back-packers, this may be the one for you.
I don't know of any other rig this small and compact on the market.
- o silkscreened and pre-punched
- o two-tone (grey lower part with black lettering and black cover)
- o knobs and controls
- o all connectors, mounting hardware, and hookup wire
- o assembly instructions
- o rubber feet (self-adhesive/press on)
- o 2.5 mm power jack
- o 3.5 mm (1/8" headphone jack, mono)
- o RCA jack (key jack)
- o BNC RF connector
- o misc wire and small RG-174/U coax for RF

Second: this enclosure is for the SWL-40 or SWL-30 rigs and I think for the 80M version also, since they are all the same boards.

I just got it from the PO on the way to work, so I'm excited about getting back home and putting the rig in it. This one will be for the 30M version that I have and will have on the air this SUMMER. :-)

OK, now the big picture:

NN1G, a.k.a. Dave Benson, as Technical Editor of the QRP ARCI Quarterly came up in January 1994 with a two board transceiver which we all call the NN1G Mark I (at least that's what I call it). A kit was available from Dan's Small Parts & Kits for around \$59 and the boards are available from FAR Circuits still. Well, I say that and I can't find a listing in the FAR catalog that I picked up in Dayton. I'll come back to that sometime this week and let you know.

Later Dave came out with a single board version and later mods and that became known as the Mark II. Also known as the NorthEast QRP Club project, NE-40 and NE-30. Available from them at \$40, thus the name NE40-40 and NE30-40 for the \$40 price tag. No longer available from them after they sold out quickly.

With the 1995 ARRL Handbook was the single board version that now gets us closer to the current version of the NN1G xcvr known as the SWL-30 and SWL-40.

Dave started his own company, Small Wonder (tm) Labs. He currently sells the xcvr board and onboard parts for \$50.

So, for a total of \$80, you can get a complete transceiver and enclosure in a very nice package. About the cheapest and most economical way to get started at the present time that I know of.

For those who just joined this program in progress, i.e. the qrp-l group, the NN1G is a superhet receiver and a 0-1.25W or so transmitter with QSK solid state switching. There may be a need for some people to continue building Direct Conversion (DC) receivers, but I personally don't see why. Flames to /dev/null please.

The receiver in the basic kit does not have AGC and it does not have RIT, but I haven't found that to be much of a problem. I really like George Dobbs, G3RJV, philosophy about AGC which he stated at Dayton, and George can correct me if I misquote him here, but to paraphrase what he said was that AGC is not desirable at all in a receiver. It decreases sensitivity and causes front end to be desensitized by nearby strong signals. I also dislike NBs for the same reason and that I've found the NB in the TenTec series of Argosy's to be a total waste and I can decode CW signals 10KHz away with the modulation of the background noise. This topic alone will probably generate about 100K of postings in the first 48 hours. :-)

So, for those looking for a project (maybe to save for winter months) or something to do late at night while waiting for the sandman, I

heartily recommend this kit and enclosure. I don't recommend building any kit while tired, etc. The xcvr takes about 3 or 4 hours on the average to complete depending upon building experience. Noone really cares how long you took and you shouldn't either. You want it to be neat, clean, and work the first time without destroying any components or having to spend considerable time debugging. The instructions for the kit and enclosure are very good. Should allow anyone to carefully build and complete the kit.

I am not a paid employee of Dave Benson, NN1G, or Small Wonder Labs, nor have I been rewarded for this posting. Dave has not bought me lunch that I remember. :-) He is a gentleman of the first order and if you get a chance to say howdy to him at any gatherings, be sure to do so.

I know for a fact that there are over 700 NN1G rigs out there in the real world. This number from the number that Dan sold, FAR circuits, etc. It has been a very popular rig.

I'll let Dave correct any chronological order or data that I screwed up on the Mark I, II, and NE rigs.

The SWL kit and the enclosure are first class. I think that this would be the rig that I would recommend for anyone just starting out and you WILL get to learn to wind toroids, which is a must for anyone that builds QRP rigs from scratch. :-) If a clumsy 6'6" Texas Aggie from the desert of West Texas can do it, then just about anyone should be able to. QED. I find that the 80M receiver is exceptionally HOT, and the 40M and 30M versions are very good just from my experience on the air with them.

Here are some addresses:

Dave Benson, NN1G - Small Wonder (tm) Labs
80 East Robbins Avenue
Newington, CT 06111
e-mail: bensondj@aol.com

FAR Circuits (for the Mark I two board set)
18N640 Field Court
Dundee, IL 60118

If you write these people, be sure to include #10 SASE, they can't afford the costs of today's postage to provide free information. Remember it doesn't take too many people too long to put anyone in overload.

I'd personally be interested in all the mods and the rest of the group would be interested too in RIT (Dave has one for \$7 I think).

FYI and this posting typed in at average speed of 65wpm, thus may be subject to some typographical errors, but not likely. :-)
Sorry for the length, but I just had to cover it all, didn't I?

I have an extra complete kit, one year sub to WorldRadio, and one year extension/new sub to QRPP that I will have to give away in September. I'm sure that I'll think of something in the meantime. :-)

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Tue May 9 16:24:37 1995
Date: Tue, 9 May 95 11:24:37 -0500
Message-Id: <9505091624.AA20640@puma.scintl.com>
From: mpw@scintl.com (Mike White)
Subject: Tokyo HyPower

Has anyone on this list had any experience with the Tokyo Hy-Power HT750? It's a 40/15/6 Meter radio (SSB/CW.)

--

Mike White Chen Systems Corporation
N9UXC voice:715/833-7860
 fax :715/833-7096

From owner-qrp-l@netcom.com Tue May 9 16:11:41 1995
From: adam@philadelphia.libertynet.org (Adam O'Donnell)
Message-Id: <9505091611.AA11928@philadelphia.libertynet.org>
Subject: Unsub info: THANKS!
Date: Tue, 9 May 1995 12:11:41 -0400 (EDT)

Thanks for the info, everybody!

I think that my server was down for a day to upgrade to a DEC Alpha and a new version of UNIX.

Everything is cool now!

72, 73

--

Adam O'Donnell, N3RCS
Internet: adam@libertynet.org

There are three boxes you can use to change the U.S. government:
Soap, Ballot, and Jury.

-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: 2.6.2

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=J0fv

-----END PGP PUBLIC KEY BLOCK-----

From owner-qrp-1@netcom.com Mon May 8 23:57:32 1995
Date: Mon, 8 May 1995 13:57:32 -1000
Message-Id: <199505082357.NAA14880@mango.aloha.com>
From: beltrani@mango.aloha.com (Paul Beltrani)
Subject: VERY LONG, Z-Match Transmatch Circuit

The Z-Match circuit is described in Bill Orr's Radio
FUNDamentals column in the Aug, Sep, Oct and Dec '93 issues
of CQ.

The benefits of the Z-Match design are:

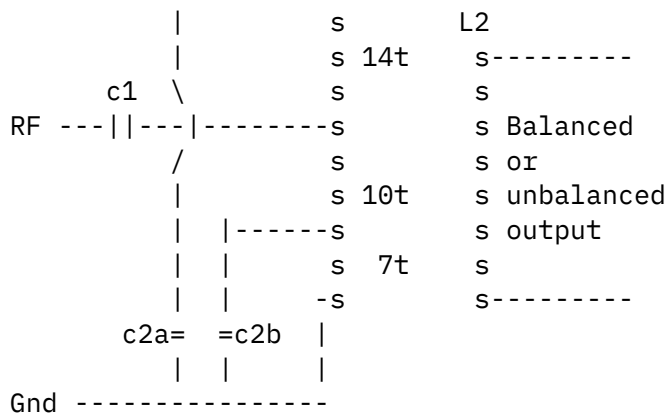
- 1) It has ONLY TWO tuning adjustments, (var caps)
- 2) NO variable inductors i.e. switched tap / roller
- 3) NO band switches
- 4) it works with balanced OR unbalanced lines with no
changes (well, maybe a jumper wire)
- 5) It covers a wide range of freqs / impedances
(80m - 10m, 10ohm - 2Kohm resistive)

The drawbacks are:

I'm not sure yet, but their must be some.
Engineering rule #1: "The aint no free lunch"

If you have problems viewing the following schematic, try using
a fixed width font or print it to a fixed character width printer.

L1
|-----s



c1 350pF variable

c2 2 x 350pF split stator variable

L1 14t #12, 1 3/4 in dia, spaced 3 3/4 in
 tapped @ 10 and 7 t

L2 4t over L1

Note: The articles describe a 150w design. For QRP, I believe the coil could be made physically much smaller with a toriod or bar core.

Mr. Orr describes his implementations of the circuit.
 From the Sep 93 CQ article:

"...

2. The fiberglass coil form is mounted in the clear, in a vertical position. The coil is "hot," so keep it clear of the capacitors. It is bolted to the baseboard with two small right-angle brackets.

3. The 4-turn pickup coil (l2) is a loose slip fit over the main coil. I used high voltage hookup wire wound by hand into a coil. Five plastic cable ties are used to hold the coil in shape. The pickup coil is positioned around the two bottom turns of the main coil. If coupling is too loose, the main tuning capacitor (C2) may spark over. In my case, the dual capacitor is a well-made broadcast type with .02 inch spacing.

Since the plates are stamped out and the edges are not rounded or buffed, the RF breakdown voltage is only about 800 volts. When the link coupling is correct, the capacitor will not spark over at power levels up to 125 watts. (That was the maximum power my transceiver would

develop for the tests. No sparking was ever noticed in the single section input capacitor, which also has a .02 inch spacing"

Latter in the article the author states that the coil is hot and cautions against placing it too close to the metal case.

My opinion is at QRP levels and using some type of core, this would not be a great problem.

In the Dec issue, Mr. Cornie Nouel, KG5B describes is implementation of the circuit.

"... I use a 1 inch diameter by 2 inch long ceramic form space-wound with #16 tinned wire. A total of 21 turns is used. The tap for the high-frequency range is at 11 turns and the input tap is at 15 turns. After considerable testing I found that a 5-turn coil of #16 insulated hookup wire wound right on top and in the same direction as the main coil, and at the bottom ("cold") end, gives me a perfect loading on all frequencies. ..."

The following parts / dimensions are mentioned:

Coils wound at 4 T/Inch for mini distributed capacitance.

Caps from Fair Radio Sales (419 223 2196)

C1: 282 pF Part # CB-157

C2: 282 pF / Section Part # CB-156

- Paul Beltrani

beltrani@aloha.com

ah6nu@nh6yw.hi.usa.oc Amateur Radio Packet

From owner-qrp-1@netcom.com Tue May 9 06:41:09 1995

Date: Mon, 8 May 1995 20:41:09 -1000

Message-Id: <199505090641.UAA18559@mango.aloha.com>

From: beltrani@mango.aloha.com (Paul Beltrani)

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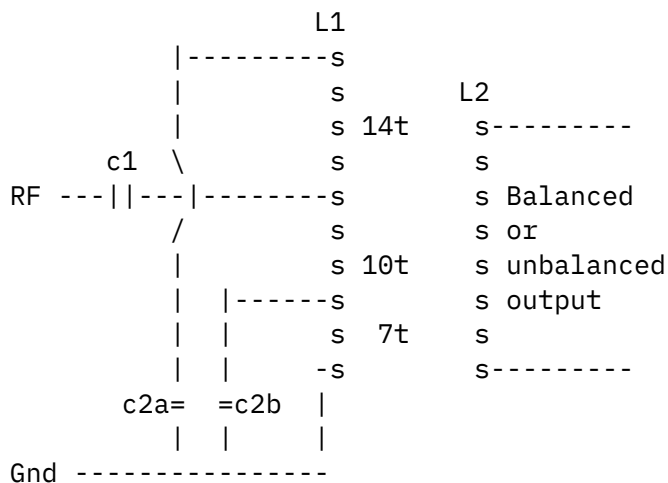
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- Paul Beltrani

beltrani@aloha.com

ah6nu@nh6yw.hi.usa.oc Amateur Radio Packet

From owner-qrp-1@netcom.com Tue May 9 18:20:37 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Tue, 9 May 1995 14:20:37 -0400 (EDT)
Message-Id: <950509142037.2022e5f7@carib.vf.mmc.com>
Subject: RE: VERY LONG, Z-Match Transmatch Circuit

Re: Paul's comments on "there ain't no free lunch:

It would be most revealing to run some good tests on a z-match tuner to characterize it. A good starting point might be the suite (love that word) of tests that were written up in the last couple issues of QST. I, for one, am curious about the range of impedances the z-match circuit can handle, and most importantly for qrp use, the loss. Anybody wanna tackle this and report back to the group?

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Mon May 8 21:10:45 1995
Date: Mon, 8 May 1995 17:10:45 -0400 (EDT)
From: "Charles A. Rubenstein" <rubenc@iglou.com>
Subject: Wanted- Mizuho 7,10 or 14 Mhz
Message-Id: <Pine.SOL.3.91.950508170842.24517A-100000@iglou.iglou.com>

Im looking for a Mizuho 40, 30 , or 20 meter HT. Ramsey sold out of all those bands. If you have one that isnt seeing use, please reply to me, as Im planning several trips to the lake, and would love to work some CW from there.

73 Charlie KB8BWE/QRP
rubenc@iglou.com

From owner-qrp-1@netcom.com Tue May 9 00:12:24 1995
From: Byron8LCZ@aol.com
Date: Mon, 8 May 1995 20:12:24 -0400
Message-Id: <950508195802_111535327@aol.com>
Subject: WWW & 30m

I just downloaded America On-Lines new Version 2.5 software with World Wide

Web included. Its very very nice, and no extra charges like those Compuserve bozo's. AOL is definitely the way to cruise the Web. I just visited QRP-L Resouce page, Kanga's home page, AB4EL's the Porch, and checked out the latest solar flux readings. Yes, its exciting. Also, downloaded some pictures of the QRP gang from Dayton 94. Cant wait for the 95 pics to be uploaded. Hard to beat for 2.95 an hour. and i dont even work for AOL. check it out, dudes.....

So far, we have 71 responses for the K5F0 30m QSO Party/Exercise/30 something. looks like most everyone's interested in getting together this summer on 30. Great news. 30 meters has been rather dead lately. Its about time we gave it a shot in the arm. still collecting data, more on this later.

Since a contest exchange is (RST and Section) and it lasts 24 to 48 hrs and a QSO party exchange might be (RST, name, QTH, rig, ant, power) and other stuff, and we'll be QSL'ing. i dont see how anyone can consider this a contest. Plus, contests dont last 90 days. Besides, what good is a 30 meter band if no one uses it. Who knows, in the process, you just might work all states. I only need three more for WAS QRP CW 30m. then i can get serious on WAS QRP 2-way CW 30m (only have 14 of those). You'll never run out of goals with this group. someone with a crystal and 100 milliwatts will probably W.A.S. eventually, or has it already been done ?

See you all on 30m,

72, Byron WA8LCZ cruising the web with low power.

From owner-qrp-l@netcom.com Tue May 9 04:48:55 1995
From: JCoote@aol.com
Date: Tue, 9 May 1995 00:48:55 -0400
Message-Id: <950508223336_111753418@aol.com>
Subject: Your comments on MFJ QRP rigs?

I would like to hear your comments on the QRP-CW transceivers made by MFJ.
I may be looking for a small portable.

72,

Jay

WB6AAM@K6VE.#SOCA.CA
jcoote@aol.com

From owner-qrp-1@netcom.com Tue May 9 19:12:45 1995
Date: Tue, 9 May 1995 16:42:45 -0230 (NDT)
From: Bob Gobrick V01DRB/WA6ERB <bgobrick@terra.nlnet.nf.ca>
Subject: Re: Your comments on MFJ QRP rigs?
Message-Id: <Pine.OSF.3.91.950509163913.18307A-100000@terra.nlnet.nf.ca>

Jay,

The MFJ-90xx series of QRP rigs are the best single band commercial (non-kit) QRP rigs on the market for the price (now let's see if someone can challenge that - hi)

It does make a difference how old it is though - the latest revised units (buy it new) have quite a few mods from when they first came out. The guys on the qrp-1 have had good results (as have I) with with this off-the-shelf qrp rig.

Good luck 73/72 Bob V01DRB/WA6ERB

On Tue, 9 May 1995 JCoote@aol.com wrote:

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> I may be looking for a small portable.
>
> 72,
>
> Jay
>
> WB6AAM@K6VE.#SOCA.CA
> jcoote@aol.com
>

Bob Gobrick V01DRB/WA6ERB/VE2DRB Newfoundland, Canada

QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: bgobrick@terra.nlnet.nf.ca
rgobrick@public.compuserve.nf.ca

Compuserve: 70466.1405@compuserve.com
